

WEEKLY SOIL MOISTURE LOSS IN INCHES				
(Estimated Evapotranspiration)				
08/06/04 through 8/12/04				
<p><i>Estimates of soil moisture loss (evapotranspiration) are for conditions where vegetation on orchard floor is controlled either with tillage, herbicides, or where growth is limited by water stress. If actively growing vegetation is maintained on the orchard floor, these estimates of soil moisture loss should be increased approximately 20 to 25 percent.</i></p>				
West of Sacramento River			East of Sacramento River	
Weekly Water Use	Accum'd Seasonal Use	Crop (Leafout Date)	Weekly Water Use	Accum'd Seasonal Use
1.78	37.76	Pasture	1.62	34.58
1.71	36.56	Alfalfa	1.55	33.37
1.35	28.53	Olives	1.21	26.17
1.17	24.65	Citrus	1.06	22.58
1.71	33.28	Almonds (3/1)	1.55	30.44
1.71	32.01	Dried Plum (3/15)	1.55	29.27
2.04	28.21	Walnuts (4/1)	1.83	25.64
1.53	34.24	Urban Turfgrass	1.41	31.51
0.00	1.93	Rainfall (3/1)	0.00	2.09

ESTIMATE OF WEEKLY APPLIED WATER IN INCHES NEEDED								
<p><i>The amount of water required by a specific irrigation system to satisfy evapotranspiration must be adjusted upward for irrigation efficiency and estimates are given below. Typical ranges in irrigation system efficiency are: Drip Irrigation- 80 to 95 %; Micro-sprinkler - 80 to 90 %; Impact Sprinkler- 70 to 85 %; and Border or Furrow – 50 to 75 %.</i></p>								
West of Sacramento River					East of Sacramento River			
(Irrigation Efficiency)					(Irrigation Efficiency)			
60 %	70 %	80 %	90 %		60 %	70 %	80 %	90 %
2.3	1.9	1.7	1.5	Olives	2.0	1.7	1.5	1.3
2.0	1.7	1.5	1.3	Citrus	1.8	1.5	1.3	1.2
2.9	2.4	2.1	1.9	Almonds	2.6	2.2	1.9	1.7
2.9	2.4	2.1	1.9	Prunes	2.6	2.2	1.9	1.7
3.4	2.9	2.6	2.3	Walnuts	3.1	2.6	2.3	2.0